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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 2874
Examiner: Ullah, Akm E.

In re PATENT APPLICATION of

Applicants : Shin ISHIBASHI et al.
Appln. No.: 10/766,488
Confirmation No: 1533
Filed : January 29, 2004
For : FIBER OPTIC MODULE
Atty. Dkt. : 31238-200393
Customer Number: 26694

Mail Stop Reissue
Commissioner for Patents
PO Box 1450
Arlington, VA 22313-1450

THIRD INFORMATION DISCLOSURE STATEMENT

Sir:

This is a Third Information Disclosure Statement submitted within the time limit specified under 37 C.F.R. § 1.97(b).

In order to comply with applicant's duty of disclosure under 37 C.F.R. § 1.56, the U.S. Patent and Trademark Office is notified of the documents which are listed on the attached Form PTO/SB/08A. The Examiner may deem these documents relevant to the patentability of the claims of the above-identified application. Pursuant to M.P.E.P. § 609(III)(A)(2), one copy of each of the listed foreign patent documents is submitted herewith. A copy of the each of the non-patent documents is also submitted herewith.

Commercially available English abstracts are provided for the following non-English patent documents, with the designation "x" in the final column of the attached Form 1449.

EP 0 232 792

EP 0 656 696

EP 0 662 259

JP A-2-151084

JP A-2-181710
JP A-2-278212
JP A-2-87837
JP A-3-20458
JP A-3-94869
JP A-4-109593
JP A-4-122905
JP A-4-165312
JP A-4-221207
JP A-4-50901
JP A-4-87809
JP A-5-052802
JP A-5-134147
JP A-5-152607
JP A-5-188250
JP A-5-211379
JP A-5-218581
JP A-5-290913
JP A-5-70955
JP A-61-158046
JP A-63-009325
JP A-63-16496
JP A-63-65967
JP A-63-65978

For the following Japanese patent documents, English abstracts are not commercially available. Hence, full English translations for the following documents are provided, with the designation "y" in the final column of the attached Form 1449.

JP A-61-188385
JP A-63-82998

JP U-3-20458
 JP U-3-94869
 JP U-4-87809
 JP U-5-052802
 JP U-5-70955
 JP U-61-158046
 JP U-61-188385
 JP U-63-16496
 JP U-63-65967
 JP U-63-65978
 JP U-63-82998

If the Examiner would like full English translations of any documents submitted herewith, or any documents cited during the prosecution of the application, Applicant will provide such documents at the Examiner's request.

Additionally, please note the following foreign patent documents and their corresponding U.S. patents:

<u>Foreign Patent</u>	<u>Cite No.</u>	<u>U.S. Patent</u>	<u>Cite No.</u>
EP 0232792A1	X3	5,233,674	P9
EP 0437141A1	X9	5,167,139	O11
JP 4-211208A	Y10	5,127,071	N18
JP 4-229962A	Y12	5,116,239	N10
JP 4-230978A	Y13	5,104,243	N5
JP 4-234715A	Y14	5,113,467	N9
JP 4-270305A	Y15	5,117,476	N11

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any

Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

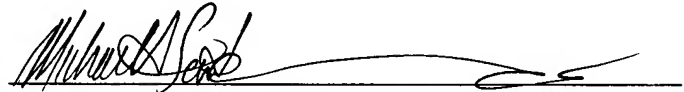
The Examiner is further notified of Applicants' related copending reissue application no. 09/571,334, filed May 15, 2000.

In view of the above, no further translation or statement of relevance is required. Additionally, since all requirements of 37 C.F.R. § 1.97 and all official guidelines pertaining to Information Disclosure Statements have been met, it is respectfully requested that the documents be considered by the Examiner and made of record.

Please charge any necessary fee, or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 22-0261.

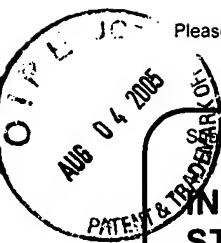
Respectfully submitted,

Date: August 4, 2005



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	Re. 32502		Kumar	09-15-1987	
	A2	2,899,669		Johanson	08-11-1959	
	A3	3,264,601		Hartholz	08-02-1966	
	A4	3,332,860		Diebold et al.	07-25-1967	
	A5	3,474,380		Miller	10-21-1969	
	A6	3,497,866		Patton, Jr.	02-24-1970	
	A7	3,523,269		Witek, Jr. et al.	08-04-1970	
	A8	3,670,290		Angele et al.	06-13-1972	
	A9	3,673,545		Rundle	06-27-1972	
	A10	3,706,869		Sorenson	12-19-1972	
	A11	3,737,729		Carney	06-05-1973	
	A12	3,790,923		Mathe	02-05-1974	
	A13	3,792,284		Kaelin	02-12-1974	
	A14	3,805,116		Nehmann	04-16-1974	
	A15	3,809,908		Clanton	05-07-1974	
	A16	3,976,877		Thillays	08-24-1976	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner
Signature

Date
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Sheet 2 of 31

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		Number	Kind Code ² (if known)			
	B1	3,990,761		Jayne	11-09-1976	
	B2	4,047,242		Jakob et al.	09-06-1977	
	B3	4,156,903		Barton et al.	05-29-1979	
	B4	4,161,650		Caouette et al.	07-17-1979	
	B5	4,167,303		Bowen et al.	09-11-1979	
	B6	4,176,897		Cameron	12-04-1979	
	B7	4,217,019		Cameron	08-12-1980	
	B8	4,217,488		Hubbard	08-12-1980	
	B9	4,226,491		Kazama et al.	10-07-1980	
	B10	4,234,968		Singh	11-18-1980	
	B11	4,249,266		Nakamori	02-03-1981	
	B12	4,252,402		Puech et al.	02-24-1981	
	B13	4,257,124		Porter et al.	03-17-1981	
	B14	4,268,756		Crouse et al.	05-19-1981	
	B15	4,273,413		Bendiksen et al.	06-16-1981	
	B16	4,276,656		Petryk, Jr.	06-30-1981	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	C1	4,294,682		Deczky	10-13-1981	
	C2	4,295,181		Chang et al.	10-13-1981	
	C3	4,301,543		Palmer	11-17-1981	
	C4	4,330,870		Arends	05-18-1982	
	C5	4,345,808		Ingham	08-24-1982	
	C6	4,347,655		Zory et al.	09-07-1982	
	C7	4,357,606		Fortescue	11-02-1982	
	C8	4,360,248		Bickel et al.	11-23-1982	
	C9	4,366,565		Herskowitz	12-28-1982	
	C10	4,369,494		Bienvenu et al.	01-18-1983	
	C11	4,380,360		Parmer et al.	04-19-1983	
	C12	4,388,671		Hall et al.	06-14-1983	
	C13	4,393,516		Itani	07-12-1983	
	C14	4,398,073		Botz et al.	08-09-1983	
	C15	4,398,780		Novotny et al.	08-16-1983	
	C16	4,399,563		Greenberg	08-16-1983	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
Application Number		10/766,488				
Filing Date		January 29, 2004				
First Named Inventor		Shin ISHIBASHI				
Group Art Unit		2874				
Examiner Name		Ullah, Akm E.				
Attorney Docket Number		31238-200393				
Sheet	4	of	31			

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	D1	4,408,273		Plow	10-04-1983	
	D2	4,422,088		Gfeller	12-20-1983	
	D3	4,427,879		Becher et al.	01-24-1984	
	D4	4,430,699		Segarra et al.	02-07-1984	
	D5	4,434,537		Bean et al.	03-06-1984	
	D6	4,437,190		Rozenwaig et al.	03-13-1984	
	D7	4,439,006		Stevenson	03-27-1984	
	D8	4,446,515		Sauer et al.	05-01-1984	
	D9	4,449,244		Kopainsky	05-15-1984	
	D10	4,449,784		Basov et al.	05-22-1984	
	D11	4,453,903		Pukaite	06-12-1984	
	D12	4,459,658		Gabbe et al.	07-10-1984	
	D13	4,461,537		Raymer, II et al.	07-24-1984	
	D14	4,470,154		Yano	09-04-1984	
	D15	4,486,059		Deyoung	12-04-1984	
	D16	4,493,113		Forrest et al.	01-08-1985	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>				Complete if Known	
Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	E1	4,501,021		Weiss	02-19-1985	
	E2	4,502,130		Kuckuk	02-26-1985	
	E3	4,505,035		Burton et al.	03-19-1985	
	E4	4,506,937		Cosmos et al.	03-26-1985	
	E5	4,510,553		Faultersack	04-09-1985	
	E6	4,511,207		Newton et al.	04-16-1985	
	E7	4,514,586		Waggoner	04-30-1985	
	E8	4,516,204		Sauer et al.	05-07-1985	
	E9	4,519,670		Spinner et al.	05-28-1985	
	E10	4,519,672		Rogstadius	05-28-1985	
	E11	4,519,673		Hamilton	05-28-1985	
	E12	4,522,463		Schwenda et al.	06-11-1985	
	E13	4,526,438		Essert	07-02-1985	
	E14	4,526,986		Fields et al.	07-02-1985	
	E15	4,527,286		Haworth	07-02-1985	
	E16	4,529,266		Delebecque	07-16-1985	

FOREIGN PATENT DOCUMENTS								
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Examiner Signature		Date Considered	
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Application Number		10/766,488				
Filing Date		January 29, 2004				
First Named Inventor		Shin ISHIBASHI				
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Sheet	6	of	31			

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	F1	4,530,566		Smith et al.	07-23-1985	
	F2	4,531,810		Carlsen	07-30-1985	
	F3	4,533,208		Stowe	08-06-1985	
	F4	4,533,209		Segerson et al.	08-06-1985	
	F5	4,534,616		Bowen et al.	08-13-1985	
	F6	4,534,617		Kloots et al.	08-13-1985	
	F7	4,535,233		Abraham	08-13-1985	
	F8	4,537,468		Degoix et al.	08-27-1985	
	F9	4,539,476		Donuma et al.	09-03-1985	
	F10	4,540,237		Winzer	09-10-1985	
	F11	4,540,246		Fantone	09-10-1985	
	F12	4,541,036		Landries et al.	09-10-1985	
	F13	4,541,685		Anderson	09-17-1985	
	F14	4,542,076		Bednarz et al.	09-17-1985	
	F15	4,544,231		Peterson	10-01-1985	
	F16	4,544,233		Iwamoto et al.	10-01-1985	

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Sheet	7	of	31		

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	G1	4,544,234		DeVeau, Jr. et al.	10-01-1985	
	G2	4,545,074		Balliet et al.	10-01-1985	
	G3	4,545,077		Drapala et al.	10-01-1985	
	G4	4,545,642		Auracher et al.	10-08-1985	
	G5	4,545,643		Young et al.	10-08-1985	
	G6	4,545,644		DeVeau, Jr. et al.	10-08-1985	
	G7	4,545,645		Mignien	10-08-1985	
	G8	4,548,465		White	10-22-1985	
	G9	4,548,466		Evans et al.	10-22-1985	
	G10	4,548,467		Stoerk et al.	10-22-1985	
	G11	4,549,782		Miller	10-29-1985	
	G12	4,549,783		Schmachtenberg, III	10-29-1985	
	G13	4,550,975		Levinson et al.	11-05-1985	
	G14	4,553,811		Becker et al.	11-19-1985	
	G15	4,553,813		McNaughton et al.	11-19-1985	
	G16	4,553,814		Bahl et al.	11-19-1985	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	8	of	31		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	H1	4,556,279		Shaw et al.	12-03-1985	
	H2	4,556,281		Anderton	12-03-1985	
	H3	4,556,282		Delebecque	12-03-1985	
	H4	4,557,551		Dyott	12-10-1985	
	H5	4,560,234		Shaw et al.	12-24-1985	
	H6	4,563,057		Ludman et al.	01-07-1986	
	H7	4,566,753		Mannschke	01-28-1986	
	H8	4,568,145		Colin et al.	02-04-1986	
	H9	4,569,569		Stewart	02-11-1986	
	H10	4,573,760		Fan et al.	03-04-1986	
	H11	4,580,295		Richman	04-01-1986	
	H12	4,580,872		Bhatt et al.	04-08-1986	
	H13	4,588,256		Onstott et al.	05-13-1986	
	H14	4,589,728		Dyott et al.	05-20-1986	
	H15	4,597,631		Flores	07-01-1986	
	H16	4,614,836		Carpenter et al.	09-30-1986	

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First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
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U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	11	4,629,270		Andrews, Jr. et al.	12-16-1986	
	12	4,634,239		Buhrer	01-06-1987	
	13	4,641,371		Shutterly	02-03-1987	
	14	4,647,148		Katagiri	03-03-1987	
	15	4,652,976		Fushimoto	03-24-1987	
	16	4,663,240		Hajdu et al.	05-05-1987	
	17	4,663,603		van Riemsdijk et al.	05-05-1987	
	18	4,678,264		Bowen et al.	07-07-1987	
	19	4,679,883		Assini et al.	07-14-1987	
	110	4,695,106		Feldman et al.	09-22-1987	
	111	4,697,864		Hayes et al.	10-06-1987	
	112	4,708,433		Kakii et al.	11-24-1987	
	113	4,715,675		Kevern et al.	12-29-1987	
	114	4,720,630		Takeuchi et al.	01-19-1988	
	115	4,722,584		Kakii et al.	02-02-1988	
	116	4,736,100		Vastagh	04-05-1988	

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Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	10	of	31		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	J1	4,756,593		Koakutsu et al.	07-12-1988	
	J2	4,762,388		Tanaka et al.	08-09-1988	
	J3	4,767,179		Sampson et al.	08-30-1988	
	J4	4,772,931		Rogers	09-20-1988	
	J5	4,779,952		Hayashi et al.	10-25-1988	
	J6	4,789,218		Paul et al.	12-06-1988	
	J7	4,798,430		Johnson et al.	01-17-1989	
	J8	4,798,440		Hoffer et al.	01-17-1989	
	J9	4,807,006		Rogers et al.	02-21-1989	
	J10	4,807,955		Ashman et al.	02-28-1989	
	J11	4,808,115		Norton et al.	02-28-1989	
	J12	4,811,165		Currier et al.	03-07-1989	
	J13	4,812,133		Fleak et al.	03-14-1989	
	J14	4,821,145		Corfits et al.	04-11-1989	
	J15	4,823,235		Suzuki et al.	04-18-1989	
	J16	4,838,630		Jansson et al.	06-13-1989	

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Sheet 11 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	K1	4,840,451		Sampson et al.	06-20-1989	
	K2	4,844,581		Turner	07-04-1989	
	K3	4,847,711		Inoue	07-11-1989	
	K4	4,847,771		Scarnera	07-11-1989	
	K5	4,849,944		Matsushita	07-18-1989	
	K6	4,857,002		Jensen et al.	08-15-1989	
	K7	4,862,327		Ansell et al.	08-29-1989	
	K8	4,872,212		Roos et al.	10-03-1989	
	K9	4,872,736		Myers et al.	10-10-1989	
	K10	4,881,789		Levinson	11-21-1989	
	K11	4,884,336		Waters et al.	12-05-1989	
	K12	4,897,711		Blonder et al.	01-30-1990	
	K13	4,906,197		Noll	03-06-1990	
	K14	4,927,225		Levinson	05-22-1990	
	K15	4,944,568		Danbach et al.	07-31-1990	
	K16	4,945,448		Bremenour et al.	07-31-1990	

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Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	12	of	31		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	L1	4,953,929		Basista et al.	09-04-1990	
	L2	4,955,817		Sugai	09-11-1990	
	L3	4,963,104		Dickie	10-16-1990	
	L4	4,967,312		Ozawa et al.	10-30-1990	
	L5	4,977,329		Eckhardt et al.	12-11-1990	
	L6	4,979,793		Bowen et al.	12-25-1990	
	L7	4,979,794		Evans	12-25-1990	
	L8	4,986,625		Yamada et al.	01-22-1991	
	L9	4,989,934		Zavracky et al.	02-05-1991	
	L10	4,990,104		Schieferly	02-05-1991	
	L11	4,991,062		Nguyenngoc	02-05-1991	
	L12	5,002,495		Tanaka	03-26-1991	
	L13	5,004,434		Aiello et al.	04-02-1991	
	L14	5,006,286		Dery et al.	04-09-1991	
	L15	5,011,425		Van Zanten et al.	04-30-1991	
	L16	5,029,254		Stickney	07-02-1991	

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Sheet	13	of	31			

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	M1	5,035,482		ten Berge et al.	07-30-1991	
	M2	5,035,641		Van-Santbrink et al.	07-30-1991	
	M3	5,040,993		Krug et al.	08-20-1991	
	M4	5,041,025		Haitmanek	08-20-1991	
	M5	5,043,775		Lee	08-27-1991	
	M6	5,044,982		Bertini	09-03-1991	
	M7	5,045,635		Kaplo et al.	09-03-1991	
	M8	5,045,971		Ono et al.	09-03-1991	
	M9	5,046,955		Olsson	09-10-1991	
	M10	5,060,373		Machura et al.	10-29-1991	
	M11	5,071,219		Yurtin et al.	12-10-1991	
	M12	5,076,656		Briggs et al.	12-31-1991	
	M13	5,076,688		Bowen et al.	12-31-1991	
	M14	5,082,344		Mulholland et al.	01-21-1992	
	M15	5,084,802		Nguyenngoc	01-28-1992	
	M16	5,086,422		Hagiya et al.	02-04-1992	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 14 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

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	N1	5,091,991		Briggs et al.	02-25-1992	
	N2	5,093,879		Bregman et al.	03-03-1992	
	N3	5,094,623		Scharf et al.	03-10-1992	
	N4	5,101,463		Cubukciyan et al.	03-31-1992	
	N5	5,104,243		Harding	04-14-1992	
	N6	5,107,404		Tam	04-21-1992	
	N7	5,108,294		Marsh et al.	04-28-1992	
	N8	5,109,453		Edwards et al.	04-28-1992	
	N9	5,113,467		Peterson et al.	05-12-1992	
	N10	5,116,239		Siwinski	05-26-1992	
	N11	5,117,476		Yinsgt et al.	5,117,476	
	N12	5,118,362		St. Angelo et al.	06-02-1992	
	N13	5,118,904		Nguyenngoc	06-02-1992	
	N14	5,120,578		Chen et al.	06-09-1992	
	N15	5,122,893		Tolbert	06-16-1992	
	N16	5,124,885		Liu	06-23-1992	
	N17	5,125,849		Briggs et al.	06-30-1992	
	N18	5,127,071		Go	06-30-1992	
	N19	5,132,871		Densham et al.	07-21-1992	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 15 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	O1	5,134,677		Leung et al.	07-28-1992	
	O2	5,134,679		Robin et al.	07-28-1992	
	O3	5,136,063		O'Lenick, Jr.	08-04-1992	
	O4	5,136,152		Lee	08-04-1992	
	O5	5,136,603		Hasnain et al.	08-04-1992	
	O6	5,138,537		Wang	08-11-1992	
	O7	5,138,678		Briggs et al.	08-11-1992	
	O8	5,140,663		Edwards et al.	08-18-1992	
	O9	5,155,786		Ecker et al.	10-13-1992	
	O10	5,157,769		Eppley et al.	10-20-1992	
	O11	5,167,139		Lafargue et al.	12-01-1992	
	O12	5,168,537		Rajasekharan et al.	12-01-1992	
	O13	5,170,146		Gardner et al.	12-08-1992	
	O14	5,171,167		Kosmala	12-15-1992	
	O15	5,173,059		Sato et al.	12-22-1992	
	O16	5,183,404		Aldous et al.	02-02-1993	
	O17	5,183,405		Elicker et al.	02-02-1993	

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				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet 16 of 31	Attorney Docket Number 31238-200393				

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	P1	5,195,911		Murphy	03-23-1993	
	P2	5,202,536		Buonanno	04-13-1993	
	P3	5,207,597		Kline et al.	05-04-1993	
	P4	5,212,752		Stephenson et al.	05-18-1993	
	P5	5,212,754		Basavanhally et al.	05-18-1993	
	P6	5,218,519		Welch et al.	06-08-1993	
	P7	5,225,760		Leiserson	06-06-1993	
	P8	5,233,676		Yonemura et al.	08-03-1993	
	P9	5,233,674		Vladic	08-03-1993	
	P10	5,234,353		Scholz et al.	08-10-1993	
	P11	5,238,426		Arnett	08-24-1993	
	P12	5,241,614		Ecker et al.	08-31-1993	
	P13	5,247,532		Levinson	09-21-1993	
	P14	5,259,052		Briggs et al.	11-02-1993	
	P15	5,259,054		Benzoni et al.	11-02-1993	
	P16	5,262,923		Batta et al.	11-16-1993	
	P17	5,271,079		Levinson	12-14-1993	

Examiner Signature		Date Considered	
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Sheet 17 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
	Q1	5,274,729		King et al.	12-28-1993	
	Q2	5,285,466		Tabatabaie	02-08-1994	
	Q3	5,285,511		Akkapeddi et al.	02-08-1994	
	Q4	5,285,512		Duncan et al.	02-08-1994	
	Q5	5,286,207		McHugh	02-15-1994	
	Q6	5,286,247		Weder et al.	02-15-1994	
	Q7	5,288,247		Kaufman	02-22-1994	
	Q8	5,289,347		McCarthy et al.	02-22-1994	
	Q9	5,296,813		Holmes et al.	03-22-1994	
	Q10	5,299,089		Lwee	03-29-1994	
	Q11	5,304,069		Brunker et al.	04-19-1994	
	Q12	5,305,182		Chen	04-19-1994	
	Q13	5,311,408		Ferchau et al.	05-10-1994	
	Q14	5,315,679		Baldwin et al.	05-24-1994	
	Q15	5,317,663		Beard et al.	05-31-1994	
	Q16	5,321,819		Szczepanek	06-14-1994	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 18 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	R1	5,329,604		Baldwin et al.	07-12-1994	
	R2	5,333,221		Briggs et al.	07-26-1994	
	R3	5,333,225		Jacobowitz et al.	07-26-1994	
	R4	5,337,391		Lebby	08-09-1994	
	R5	5,337,396		Chen et al.	08-09-1994	
	R6	5,340,340		Hastings et al.	08-23-1994	
	R7	5,345,524		Lebby et al.	09-06-1994	
	R8	5,345,530		Lebby et al.	09-06-1994	
	R9	5,353,364		Kurashima	10-04-1994	
	R10	5,353,634		Baba et al.	10-11-1994	
	R11	5,356,300		Costello et al.	10-18-1994	
	R12	5,357,402		Anhalt	10-18-1994	
	R13	5,361,244		Nakamura et al.	11-01-1994	
	R14	5,361,318		Go et al.	11-01-1994	
	R15	5,366,664		Varadan et al.	11-22-1994	
	R16	5,372,515		Miller et al.	12-13-1994	

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Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	19	of	31		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	S1	5,375,040		Cooper et al.	12-20-1994	
	S2	5,383,793		Hsu et al.	01-24-1995	
	S3	5,388,995		Rudy, Jr. et al.	02-14-1995	
	S4	5,390,268		Morlion et al.	02-14-1995	
	S5	5,393,249		Morgenstern et al.	02-28-1995	
	S6	5,397,242		Laisne et al.	03-14-1995	
	S7	5,398,154		Perkins et al.	03-14-1995	
	S8	5,398,295		Chang et al.	03-14-1995	
	S9	5,408,384		Gannyo et al.	04-18-1995	
	S10	5,414,787		Kurata	05-09-1995	
	S11	5,416,668		Benzoni	05-16-1995	
	S12	5,416,870		Chun et al.	05-16-1995	
	S13	5,416,872		Sizer, II et al.	05-16-1995	
	S14	5,419,717		Abendschein et al.	05-30-1995	
	S15	5,424,573		Kato et al.	06-13-1995	
	S16	5,428,703		Lee	06-27-1995	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	20	of	31		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	T1	5,428,704		Lebby et al.	06-27-1985	
	T2	5,434,747		Shibata	07-18-1995	
	T3	5,443,390		Kokkosoulis et al.	08-22-1995	
	T4	5,446,814		Kuo et al.	08-29-1995	
	T5	5,452,387		Chun et al.	09-19-1995	
	T6	5,454,080		Fasig et al.	09-26-1995	
	T7	5,455,703		Duncan et al.	10-03-1995	
	T8	5,463,532		Petitpierre et al.	10-31-1995	
	T9	5,469,332		Alvité	11-21-1995	
	T10	5,470,257		Szegda	11-28-1995	
	T11	5,470,259		Kaufman et al.	11-28-1995	
	T12	5,475,734		McDonald et al.	12-12-1995	
	T13	5,477,418		MacGregor et al.	12-19-1995	
	T14	5,478,253		Biechler et al.	12-26-1995	
	T15	5,478,259		Noschese	12-26-1995	
	T16	5,478,260		Kaufman et al.	12-26-1995	

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First Named Inventor		Shin ISHIBASHI			
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Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	21	of	31		

U.S. PATENT DOCUMENTS						
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	U1	5,481,634		Anderson et al.	01-02-1996	
	U2	5,482,658		Lebby et al.	01-09-1996	
	U3	5,487,678		Tsuji et al.	01-30-1996	
	U4	5,491,613		Petitpierre	02-13-1996	
	U5	5,491,712		Lin et al.	02-13-1996	
	U6	5,494,747		Rha	02-27-1996	
	U7	5,499,311		DeCusatis	03-12-1996	
	U8	5,499,312		Hahn et al.	03-12-1996	
	U9	5,504,657		Stocco	04-02-1996	
	U10	5,506,921		Horie	04-09-1996	
	U11	5,506,922		Grois et al.	04-09-1996	
	U12	5,507,668		Lambrinos et al.	04-16-1996	
	U13	5,526,235		Beason et al.	06-11-1996	
	U14	5,527,991		Sadowski et al.	06-18-1996	
	U15	5,534,662		Peacock et al.	07-09-1996	
	U16	5,535,296		Uchida	07-09-1996	

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Sheet 22 of 31

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Filing Date	January 29, 2004
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	V1	5,535,364		Resman et al.	07-09-1996	
	V2	5,545,845		Flores	08-13-1996	
	V3	5,546,281		Poplawski et al.	08-13-1996	
	V4	5,547,385		Spangler	08-20-1996	
	V5	5,548,641		Butler et al.	08-20-1996	
	V6	5,548,677		Kakii et al.	08-20-1996	
	V7	5,554,031		Moir et al.	09-10-1996	
	V8	5,554,037		Uleski	09-10-1996	
	V9	5,567,167		Hayashi	10-22-1996	
	V10	5,577,064		Swirhun et al.	11-19-1996	
	V11	5,580,269		Fan	12-03-1996	
	V12	5,588,850		Pan et al.	12-31-1996	
	V13	5,598,319		Lee	01-28-1997	
	V14	5,599,595		McGinley et al.	02-04-1997	
	V15	5,600,470		Walsh	02-04-1997	
	V16	5,613,860		Banakis et al.	03-25-1997	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 23 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	W1	5,629,919		Hayashi et al.	05-13-1997	
	W2	5,631,998		Han	05-20-1997	
	W3	5,653,596		Banakis et al.	08-05-1997	
	W4	5,659,459		Wakabayashi et al.	08-19-1997	
	W5	5,675,428		Henmi	10-07-1997	
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	W8	5,724,729		Sherif et al.	03-10-1998	
	W9	5,726,864		Copeland et al.	03-10-1998	
	W10	5,734,558		Poplawski et al.	03-31-1998	
	W11	5,736,782		Schairer	04-07-1998	
	W12	5,747,735		Chang et al.	05-05-1998	
	W13	5,767,999		Kayner	06-16-1998	
	W14	5,779,504		Dominiak et al.	07-14-1998	
	W15	5,797,771		Garside	08-25-1998	
	W16	5,836,774		Tan et al.	11-17-1998	

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Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	24	of	31		

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		Number	Kind Code ² (if known)			
	X1	5,864,468		Poplawski et al.	01-26-1999	
	X2	5,879,173		Poplawski et al.	03-09-1999	

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	X3	DE	(USP, 233,674) 42 39 124	A1		05-27-1993		
	X4	EP	0 232 792	A1		08-18-1987		x
	X5	EP	0 228 278	A2		07-08-1987		
	X6	EP	0 305 112	A2, A3		03-01-1989		
	X7	EP	0 314 651	A2, A3		05-03-1989		
	X8	EP	0 413 489	A2, A3		02-20-1991		
	X9	EP	(USP 5,167,139) 0 437 141	A1		07-17-1991		
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	X14	EP	0 600 645	A1		06-08-1994		
	X15	EP	0 613 032	A2, A3		08-31-1994		
	X16	EP	0 652 696	A1		05-10-1995		
	X17	EP	0 656 696	A2		06-07-1995		x
	X18	EP	0 662 259	B1		03-31-1994		x
	X19	EP	0 442 608	A2		08-21-1991		
	X20	WO	94/12900			06-09-1994		
	X21	JP	A-1-237783			09-22-1989		x

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Sheet		25	of	31	Filing Date	January 29, 2004
					First Named Inventor	Shin ISHIBASHI
					Group Art Unit	2874
					Examiner Name	Ullah, Akm E.
					Attorney Docket Number	3238-200393

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	Y1	JP	A-2-151084			06-11-1990		X
	Y2	JP	A-2-181710			07-16-1990		X
	Y3	JP	A-2-278212			11-14-1990		X
	Y4	JP	A-2-87837			03-28-1999		X
	Y5	JP	A-3-20458			01-19-1991		X
	Y6	JP	A-3-94869			04-19-1991		X
	Y7	JP	A-4-109593			04-10-1992		X
	Y8	JP	A-4-122905			04-23-1992		X
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	Y12	JP	(USP 5,116, 239) A-4-229962			08-19-1992		
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	Y15	JP	(USP 5,117,476) A-4-270305			09-25-1992		
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	Y17	JP	A-4-87809			03-19-1992		X
	Y18	JP	A-5-052802			03-02-1993		X
	Y19	JP	A-5-134147			05-28-1993		X

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				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet 26 of 31	Attorney Docket Number 31238-200393				

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	Z1	JP	A-5-152607		06-18-1993			x
	Z2	JP	A-5-188250		07-30-1993			x
	Z3	JP	A-5-211379		08-20-1993			x
	Z4	JP	A-5-218581		08-27-1993			x
	Z5	JP	A-5-290913		11-05-1993			x
	Z6	JP	A-5-70955		03-23-1993			x
	Z7	JP	A-61-158046		07-17-1986			x
	Z8	JP	A-61-188385		08-22-1986			y
	Z9	JP	A-63-009325		01-16-1988			x
	Z10	JP	A-63-16496		01-23-1988			x
	Z11	JP	A-63-65967		03-24-1988			x
	Z12	JP	A-63-65978		03-24-1988			x
	Z13	JP	A-63-82998		04-13-1988			y
	Z14	JP	U-3-20458		02-26-1991			y
	Z15	JP	U-3-94869		09-27-1991			y
	Z16	JP	U-4-87809		07-30-1992			y
	Z17	JP	U-5-052802		07-13-1993			y
	Z18	JP	U-5-70955		09-24-1993			y
	Z19	JP	U-61-158046		09-30-1986			y

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/766,488
		Filing Date	January 29, 2004
		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
		Attorney Docket Number	31238-200393
Sheet	28	of	31

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BB1	AT&T Microelectronics, "1408-Type ODL Transceiver", Feb. 1994 preliminary data sheet, p. 2-10.	
	BB2	Ronald L. Soderstrom et al., "An optical Data Link using a CD laser", SPIE Vol. 1577 High Speed Fiber Networks and Channels, pp. 163-173, 1991.	
	BB3	BCP, Inc. "Gigabits Over Multimode Optical Fiber" no date.	
	BB4	Ronald L. Soderstrom et al., "CD laser optical Data Links for Workstation and Midrange Computers", IEEE p. 505-509, 1993.	
	BB5	FDDI Low-Cost Fiber Physical Layer Medium Dependent (LCF-PMD) Common Receiver Footprint, no date.	
	BB6	HP Module HFBR-5103, FDDI Data Sheet, http://www.hp.com/HP-COMP/fiber/hfbr5103.html , Jun. 11, 1998.	
	BB7	IBM Technical Disclosure Bulletin "Optical Link Card Guide/Retention System", www.patents.ibm.com/tdbs/tdb?&order=93A+60964 , April 1993.	
	BB8	IBM, "A Proposal for a New High Performance..." OptoElectronics Enterprise Oct. 1992 ANSI Meeting, Oct. 13, 1992.	
	BB9	IBM et al., "GLM Family", FCSI-301-Rev. 1.0, Feb. 16, 1994.	
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Examiner Signature		Date Considered	
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		Filing Date	January 29, 2004
		First Named Inventor	Shin ISHIBASHI
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	CC1	Sumitomo Electric Fiber Optics Corp. "Transceiver Manufacturers to Support Common Footprint for Desktop FDDI Applications," June 23, 1992.	
	CC2	Sun Microsystems Computer Co. et al., Gigabit Interface Converter (GBIC), Rev 4.4, Dec. 1, 1997.	
	CC3	Siemens, "Who provides Low-Cost Transceivers for all Standards?" no date.	
	CC4	AMP "PC Board Connectors", Product Guide 82759, pp. 7104-7108, Catalog E2750 issued Jun. 1991.	
	CC5	AMP Inc. "Lytel Molded-Optronic SC Duplex Transceiver", Catalog 65922, Dec. 1993.	
	CC6	AMPHENOL Engineering News, vol. 7 No. 6, pp. 241, 264-65, Nov. 1994.	
	CC7	Baldwin and Kellerman, "Fiber Optic Module Interface Attachment" Research disclosure, Kenneth Mason Publication Ltd, England, Nov. 1991.	
	CC8	Block and Gaio "Optical Link Card guide/Retention Sys" RESEARCH DISCLOSURE Kenneth Mason Publications Ltd., England, Apr. 1993.	
	CC9	Cinch Hinge Connectors Catalog CM-16, Jul. 1963.	
	CC10	Martin H. Weik, "Communication Standard Dictionary" p. 454. definition of LED, Van Nostrand Reinhold Co.	
	CC11	Edward R. Salmon, Encapsulation of Electronic Devices and Components, Marcel Dekker Inc., New York, 1987.	

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	DD1	Dieter Gwinner, Conductive Coatings: Vacuum Evaporated Aluminum for Selective Shielding of Plastic Housings, no date.	
	DD2	HEADSUP--Sumitomo Electric Lightwave Joins Others in Announcement, May 11, 1995	
	DD3	Robert C. Herron, High Density Input/Output Connector Systems, 3M Electronic Products Division, 1990.	
	DD4	Shortwave Opto Assembly, IBM OptoElectronic Enterprises; IBM/OEE Market Survey Only, Rev. 1, Jan. 6, 1993.	
	DD5	"Minimizing Electrostatic Discharge Damage to a Cartridge", IBM Technical Disclosure Bulletin, vol. 29 No. 10, Mar., 1987.	
	DD6	Japanese Standards Association" F04 Type Connectors for Optical Fiber Cords JIS C 5973" Japanese Standards Association, 1990.	
	DD7	Ronald L. Soderstrom et al., A Miniaturized Fiber Optic Laser Receptacle Using a Compact Disk (CD) . . . FOC/LAN '87 & MFOC- WEST, pp. 383-385, no date.	
	DD8	"Transceiver Module Assembly", IBM Technical Disclosure Bulletin, Oct. 1979, https://www.delphion.com/tbds/tdb?o=79A+06370 , last visited Mar. 3, 2005.	
	DD9	Ronald L. Soderstrom et al., Optical Components and Electronic Packaging for High Performance Optical Data Links, THE RESEARCH INVESTMENT, p. 19-28 (no date).	
	DD10	Thomas & Betts, INFO-LAN Modem, 1998.	
	DD11	"Active component manufacturers lower the cost of fiber to the desktop", Lightwave, Feb. 1994 pp. 58, 67.	

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	EE1	Fibre Distributed Data Interface (FDDI) - Token Ring Low-Cost Fibre Physical Layer Medium Dependent (LCF-PMD), American National Standards Institute, 1996.	
	EE2	Communications Standard Dictionary; p. 454, definition of inhomogeneous fiber, Van Nostrand Reinhold Publishing, 1983.	
	EE3	"Transmitter/receiver assembly simplifies use of fibre optics", Design Engineering, p. 19, Button Press, Ltd., April 1980.	
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	EE5	David A. Knodel et al., "Open Fibre Control, a laser safety interlock technique", High-Speed Fiber Networks and Channels, SPIE-The International Society for Optical Engineering Proceedings, Vol. 991, pp. 179-182, 1992.	
	EE6	IBM Technical Disclosure Bulletin, "Electrostatic Dissipative Enclosed Connector", Vol. 34, No. 7B, Dec. 1991.	
	EE7	"High Reliability SW Laser For Optical Data Links", LEOS '93 Conference Proceedings, IEEE Lasers and Electro-Optics Society 1993 Annual Meeting.	
	EE8	Minimizing Electrostatic Discharge to a Cartridge, IBM Technical Disclosure Bulletin, March 1987, https://www.delphion.com/tbds/tdb?o=87A%2060509 , last visited Mar. 8, 2005.	
	EE9	K.P. Jackson et al., "High-Density, Array, Optical Interconnects for Multi-Chip Modules", 1992 IEEE Multi-Chip Module Conference MCMC-92 Proceedings, IEEE Computer Society Press.	
	EE10	TDB: Stackable Circuit Card Packaging within a Logic Cage, IBM Technical Disclosure Bulletin, Dec. 1992, https://www.delphion.com/tbds/tdb?o=92A%2063485 , last visited Mar. 8, 2005.	
	EE11	Jeff Hecht, The Laser Guidebook, 2 nd ed., McGraw Hill, Inc., 1992.	

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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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